



KRAMPE HAREX®

KNOW WHY.

Reference | Industrial floor

AMAZON DISTRIBUTION CENTER RHEINBERG | GERMANY

22,000 m³ of steel fiber concrete according to performance class.

PROJECT INFORMATION

Project	Amazon Distribution Center	Concrete	C 25/30 L 1.2/0.9
Location	Rheinberg, Germany	Fibre type	DE 50/1.0 N
Application	Industrial floor	Dosage	Regarding performance class
Attribute	jointless	Total volume	22,000 m ³ concrete
Construction time	June – August 2011		
Requirement	Performance class L 1.2 / 0.9 Picktower warehouse		

Due to the high loads from the Picktower high-bay warehouse, the base plate takes on the load-bearing function and is a statically relevant component.



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» We not only deliver fiber quality made in Germany, but also assume full responsibility for the stability of the concrete when dimensioned by our engineering partner.«

Frank Schuhmacher
Director of National Fibre Sales,
KrampeHarex®

E-COMMERCE BOOM Amazon trusts in fibers from KrampeHarex®.

Amazon, formerly a shop for books, has grown significantly over the past few years. According to a recent IFH survey, 94% of online shoppers in Germany are Amazon customers. Amazon's share of German online sales is around 53%. Amazon laid the groundwork for unrestrained growth at the beginning of the 21st century. There are now 8 logistics centers across the country.

As at seven other locations, Amazon relied on KrampeHarex® fibers for the construction of the logistics center in Rheinberg. For good reason: Since the floor slab has a load-bearing function due to the high loads from the pick towers, the stability of the concrete had to be precisely measured. The project benefited greatly from our experience and the quality of our fibers.

Our engineering partner determined the appropriate performance class according to the DAfStB guideline. Because seamless steel fiber concrete floors distribute pressure and tensile forces more evenly, they reduce the risk of cracking and wear. The durable industrial floor at the Amazon warehouse in Rheinberg guarantees low maintenance costs and forms a perfect basis for high warehouse turnover.



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OTHER PROJECTS

BMW Warehouse Gündlkofen, Germany

Total area: 100,000 m²
Fibre type: DE 60/0.9 N
Performance class: 1.2/0.9

ALDI Distribution center Cardiff, Wales

Area: 60,000 m²
Fibre type: DE 60/1.0 N
Dosage: 45 kg/m³

METRO Logistics center Marl, Germany

Area: 200,000 m²
Fibre type: DE 60/0.9 N
Amount of fibres: 650 t